

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	14	((("20020055705") or ("20020183682") or ("20030026784") or ("20030045830") or ("20060015146") or ("5,387,419") or ("5,944,710"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 13:04
S3	3	("2003204206").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 13:06
S4	2	padua-rodolfo-a.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 13:06
S5	8	((("20030204206") or ("20030040777") or ("20020072785") or ("20020049154"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 13:08
S6	25	((("2002072785") or ("2004080533") or ("9925385") or ("9802150") or ("2004093969"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 13:09
S7	11	((("9815317") or ("9904851") or ("9936563"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 13:21
S8	21	((("4003379") or ("0228470") or ("2003032998") or ("2003009145") or ("9939624") or ("6155267") or ("6224566"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 13:31
S9	2	("6463323").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 13:23

## EAST Search History

S10	62	((("20020049154") or ("20030082148") or ("20030104568") or ("20030211130") or ("20040018174") or ("20040087019") or ("20040161421") or ("20040253209") or ("20050013870") or ("20050025752") or ("20050112759") or ("20050283197") or ("5,507,724") or ("5,704,908") or ("5,807,306") or ("5,834,029") or ("5,968,006") or ("6,132,419") or ("6,151,525") or ("6,156,572") or ("6,428,802") or ("6,490,482") or ("6,592,623") or ("6,654,636") or ("6,662,044") or ("6,671,558") or ("6,678,556") or ("6,690,970") or ("6,697,669") or ("6,775,569") or ("6,775,574") or ("6,902,522"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 13:35
S11	37	S10 and (cardiac or heart)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 13:36
S12	22	S11 and gene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:03

## EAST Search History

S16	79	((("20010000802") or ("20010016193") or ("20010051148") or ("20010055590") or ("20020001577") or ("20020012657") or ("20020022259") or ("20020031501") or ("20020031827") or ("20020032468") or ("20020048800") or ("20020055530") or ("20020065243") or ("20020072785") or ("20020077311") or ("20020098167") or ("20020099026") or ("20020110910") or ("20020115208") or ("20020124855") or ("20020124855") or ("20020127210") or ("20020133198") or ("20020142457") or ("20020147172") or ("20020172663") or ("20020183720") or ("20030004403") or ("20030040777") or ("20030044802") or ("20030059463") or ("20030060854") or ("20030065379") or ("20030073235") or ("20030087867") or ("20030113303") or ("20030125615") or ("20030129750") or ("20030130581") or ("20030148968"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 14:06
S17	2	S16 and (gene with electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 17:25
S18	20	S16 and (gene with (cardiac or heart))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:17
S19	11	S16 and (gene with regulatory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:17
S20	7	S18 and S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:10
S21	2	("20010031919").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 14:10

## EAST Search History

S22	1	("2001/0031919").URPN.	USPAT	OR	ON	2006/03/23 14:10
S23	87	((("20030171723") or ("20030195470") or ("20030204206") or ("20030216811") or ("20030216812") or ("20040002739") or ("20040006395") or ("20040038400") or ("20040043006") or ("20040047909") or ("20040048286") or ("20040098075") or ("20040131601") or ("20040132184") or ("20040133247") or ("20040158289") or ("20040158290") or ("20040213770") or ("20040214182") or ("20040215251") or ("20050005923") or ("20050008628") or ("20050010492") or ("20050021091") or ("20050043675") or ("20050059153") or ("20050059999") or ("20050096701") or ("20050118144") or ("20050130136") or ("20050137626") or ("20050137671") or ("20050149136") or ("20050197674") or ("3,692,027") or ("4,003,379") or ("4,146,029") or ("4,281,664") or ("4,299,220") or ("4,544,371") or ("4,556,063") or ("4,686,987") or ("4,871,351"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 14:15
S24	2	S23 and (gene with electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:31
S25	12	S23 and (gene with (cardiac or heart))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:31
S26	12	S23 and (gene with regulatory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:31
S27	9	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:28

## EAST Search History

S28	86	((("4,897,987") or ("4,902,508") or ("4,924,875") or ("4,944,299") or ("4,987,897") or ("5014698") or ("5,040,533") or ("5041107") or ("5,042,497") or ("5,058,581") or ("5,087,243") or ("5,127,404") or ("5,179,947") or ("5,190,035") or ("5,220,917") or ("5,251,621") or ("5,259,380") or ("5,269,301") or ("5,275,826") or ("5,284,136") or ("5,305,745") or ("5,336,252") or ("5,342,408") or ("5,352,463") or ("5,353,800") or ("5,368,028") or ("5,404,877") or ("5,416,695") or ("5,435,999") or ("5,456,692") or ("5,460,605") or ("5,496,360") or ("5,499,971") or ("5,538,722") or ("5,551,953") or ("5,554,389") or ("5,556,421") or ("5,562,713") or ("5,571,151") or ("5,579,876") or ("5,586,556") or ("5,603,331") or ("5,607,418"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 14:31
S29	0	S28 and (gene with electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:35
S30	0	S28 and (gene with (cardiac or heart))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:35
S31	1	S28 and (gene with regulatory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:35
S32	64	S28 and (cardiac or heart)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:34

## EAST Search History

S33	83	((("5,609,629") or ("5,634,899") or ("5,662,689") or ("5,681,735") or ("5,690,682") or ("5,693,075") or ("5,703,125") or ("5,720,770") or ("5,730,125") or ("5,733,727") or ("5,800,498") or ("5,817,131") or ("5,824,049") or ("5,833,603") or ("5,833,978") or ("5,836,935") or ("5,885,797") or ("5,893,881") or ("5,899,928") or ("5,914,242") or ("5,925,066") or ("5,928,943") or ("5,945,577") or ("5,949,659") or ("5,967,986") or ("5,991,668") or ("6,016,447") or ("6,016,448") or ("6,050,980") or ("6,059,726") or ("6,096,347") or ("6,099,832") or ("6,100,242") or ("6,108,577") or ("6,115,636") or ("6,128,526") or ("6,135,976") or ("6,140,740") or ("6,154,675") or ("6,155,267") or ("6,165,164") or ("6,168,801") or ("6,174,871"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 14:34
S34	0	S33 and (gene with electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:38
S35	8	S33 and (gene with (cardiac or heart))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:39
S36	6	S33 and (gene with regulatory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:40
S37	3	S33 and (gene with field)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:37

## EAST Search History

S38	81	((("6,198,394") or ("6,200,265") or ("6,203,495") or ("6,206,914") or ("6,207,451") or ("6,213,942") or ("6,221,011") or ("6,224,566") or ("6,231,516") or ("6,235,970") or ("6,237,398") or ("6,254,573") or ("6,256,233") or ("6,261,230") or ("6,270,457") or ("6,277,072") or ("6,277,078") or ("6,280,380") or ("6,284,242") or ("6,287,285") or ("6,298,272") or ("6,306,830") or ("6,309,370") or ("6,312,378") or ("6,316,419") or ("6,331,160") or ("6,336,903") or ("6,358,202") or ("6,358,103") or ("6,361,522") or ("6,361,780") or ("6,368,284") or ("6,387,369") or ("6,398,728") or ("6,399,300") or ("6,410,236") or ("6,411,840") or ("6,424,847") or ("6,436,907") or ("6,440,066") or ("6,443,949") or ("6,451,594") or ("6,453,195"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 14:38
S39	0	S38 and (gene with electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:38
S40	16	S38 and (gene with (cardiac or heart))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:43
S41	4	S38 and (gene with regulatory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:40
S42	21	(S33 or S38) and (gene with delivery)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:42

## EAST Search History

S43	54	((("6,459,917") or ("6,459,929") or ("6,468,263") or ("6,475,232") or ("6,478,737") or ("6,501,983") or ("6,511,477") or ("6,518,245") or ("6,540,725") or ("6,541,116") or ("6,575,931") or ("6,623,473") or ("6,623,474") or ("6,628,987") or ("6,653,291") or ("6,656,517") or ("6,689,117") or ("6,702,777") or ("6,733,996") or ("6,735,471") or ("6,759,236") or ("6,801,805") or ("6,810,286") or ("6,855,124") or ("6,875,206") or ("6,905,476") or ("6,919,207"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 14:42
S44	6	S43 and (gene with (cardiac or heart))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 14:43
S45	2	("20010031919").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 17:01
S46	18	((("20010031919") or ("20030032998") or ("20030009145") or ("6155267") or ("6224566") or ("9939624") or ("0228470") or ("4003379"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 17:04
S47	8	("6306125" "6413536" "6478776" "6511477").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 17:05
S48	2	("6463323").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 17:05
S49	17	("3745995"   "3890953"   "3915151"   "4266532"   "5334222"   "5401233"   "5433735"   "5450859"   "5544665"   "5566685"   "5634899"   "5800528"   "5855570"   "5968527"   "6200259").PN. OR ("6463323").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 17:25
S50	230	("607"/\$.ccls.) and angiogenesis	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 17:45



## EAST Search History

S51	14	S50 and (gene with electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 17:50
S52	6	S50 and resynchronization	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 17:27
S53	213	("607"/\$.ccls.) and electroporation	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 18:52
S54	84	("607"/\$.ccls.) and (electroporation with (gene or genes or DNA or RNA))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 18:40
S55	54	S54 and (cardiac or heart)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 18:47
S56	15	S54 and (defibrillation or defibrillate or defibrillator)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 17:50
S57	722	gene and (defibrillation or defibrillate or defibrillator)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 17:50
S58	6	S57 and (gene with electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:42
S59	374	S57 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 11:13
S60	307	S59 and (pacing or paces or pace or pacemaker or "pace-maker")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 17:57

## EAST Search History

S61	70	("3523807"   "4146029"   "4476868"   "4540573"   "4548736"   "4556063"   "4613665"   "4733665"   "4753635"   "4800882"   "4821723"   "4886062"   "4911717"   "4944659"   "5102417"   "5131388"   "5144949"   "5158078"   "5192297"   "5199428"   "5207218"   "5298255"   "5312453"   "5314430"   "5330507"   "5342348"   "5354316"   "5372600"   "5409009"   "5411551"   "5419760"   "5429634"   "5510077"   "5545186"   "5624411"   "5651979"   "5674722"   "5702427"   "5704910"   "5711316"   "5797870"   "5800421"   "5932460").PN. OR ("6206914"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 17:54
S63	10	S61 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:41
S64	16517	("closed loop" or "closed-loop" or "demand") with (gene or deliver or delivery or therapy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:52
S65	55	S60 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:38
S66	61	("4164216" "4273114" "5026397" "5087243" "5236413" "5282785" "5289254" "5327887" "5386254" "5386837" "5387419" "5389837" "5415629" "5419763" "5445609" "5458568" "5499971" "5501662" "5634895" "5634899" "5779661" "5807306" "5865787" "6041252" "6057374" "6071305" "6086582" "6089582" "6292704" "6298268" "6949081").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:40
S67	1041	"drug delivery device".ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:40
S68	18	("607"/\$.ccls.) and S67	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 18:51

## EAST Search History

S69	3	S66 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:53
S70	0	S66 and (gene with electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:42
S71	1	S66 and (gene with (cardiac or heart))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:46
S72	2	("5087243").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 18:46
S73	133	("4146029"   "4711251"   "4774951"   "4784161"   "4817608"   "4819662").PN. OR ("5087243").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 18:46
S74	11	S73 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:47
S75	64	("2320462"   "3978864"   "4400178"   "4639244"   "4690130"   "4801459"   "4842598"   "4906576"   "4936317"   "4970154"   "5016615"   "5019034"   "5042975"   "5087243"   "5183456"   "5236413"   "5246437"   "5273525"   "5286254"   "5290409"   "5304120"   "5318514"   "5389069"   "5439440").PN. OR ("5501662").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 18:47
S76	36	S75 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:47
S77	16	S76 and (cardiac or heart)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/24 16:42
S78	9	("607"/\$.ccls.) and (gene with sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/24 16:46

## EAST Search History

S79	1169	("closed loop" or "closed-loop" or "demand") with gene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:59
S80	0	("607"/\$.ccls.) and S79	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 18:52
S81	1966	("607"/\$.ccls.) and (sensor with (delivery or deliver or therapy or administration))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 18:53
S82	3038	("607"/\$.ccls.) and (sensor with control)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 18:53
S83	1044	S81 and S82	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 18:53
S84	43	S83 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:57
S85	6	((("6949081") or ("5445609") or ("5026397"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/23 18:57
S86	32	("20020017299"   "3449121"   "4468222"   "4474570"   "4756706"   "4825545"   "4942883"   "4972331"   "5006108"   "5013293"   "5057318"   "5061243"   "5100380"   "5119815"   "5122974"   "5187672"   "5338157"   "5386827"   "5445609"   "5464392"   "5540665"   "5553614"   "5564417"   "5681285"   "5697896"   "5733876"   "5762918"   "5782755"   "5785688"   "5807263"   "5935099").PN. OR ("6949081").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/23 18:57
S87	0	S86 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:59
S88	3	S86 and gene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:58

## EAST Search History

S89	100	S83 and gene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 19:10
S90	368	("closed loop" or "closed-loop" or "demand") with "drug delivery"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 18:59
S91	64	S90 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 19:09
S92	42	girouard-steven-d.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 19:19
S93	5	S92 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 19:19
S94	0	S92 and S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 19:10
S95	7	S92 and gene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 19:10
S96	22	ross-jeffrey.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 19:19
S97	5	S96 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/23 19:20
S98	1656	altman.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 11:12

## EAST Search History

S99	45	S98 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 12:20
S100	14	S99 and demand	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 12:20
S101	58	("4296100" "4892538" "5002067" "5244460" "5283187" "5322064" "5324325" "5385148" "5405376" "5431649" "5447533" "5527344" "5531780" "5551427" "5661133" "5693622" "5698531" "5702384" "5704910" "5807395" "5840059" "6086582" "6102887" "6165188" "6238406" "6251079" "6358247" "6416510" "6547787").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 12:20
S102	15	S101 and (gene with (deliver or delivery or therapy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 12:23
S103	20	S101 and gene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 12:24
S104	747	gene with ("electromagnetic" or "electric field")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:41
S105	234	S104 and (cardiac or heart)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 13:28
S106	49	S105 and ("on demand" or "demand based" or "on-demand" or "demand-based" or "closed loop" or "closed-loop" or "feedback" or "feed-back")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 13:29
S107	2	("20040030379").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/24 13:22

## EAST Search History

S10 8	2	"900601".apn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 13:24
S10 9	2	("5,501,662").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/24 13:24
S11 0	24	S105 and (telemetry or wireless or "external programmer" or "external device" or antenna)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 13:28
S11 1	15	S104 and (gene with (ischemia or arrhythmia))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 13:29
S11 2	1300	(gene with (ischemia or arrhythmia))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 17:16
S11 3	140	S112 and ("on demand" or "demand based" or "on-demand" or "demand-based" or "closed loop" or "closed-loop" or "feedback" or "feed-back")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 13:30
S11 4	13	S112 and ("on demand" or "demand based" or "on-demand" or "demand-based" or "closed loop" or "closed-loop")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:43
S11 5	1793	(promoter or "transcriptional control element") with ("electromagnetic" or "electric field" or "transduction")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:44
S11 6	1008	S115 and (cardiac or heart)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/24 16:45
S11 7	804	S116 and implant\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/24 17:06

## EAST Search History

S11 8	4	S117 and ("on demand" or "demand based" or "on-demand" or "demand-based" or "closed loop" or "closed-loop")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:43
S11 9	6	S116 and ("on demand" or "demand based" or "on-demand" or "demand-based" or "closed loop" or "closed-loop")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:43
S12 0	492	S117 and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:44
S12 1	798	S117 and gene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:46
S12 2	492	S121 and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:44
S12 3	110	(promoter or "transcriptional control element") with ("electromagnetic" or "electric field")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:48
S12 4	15	S123 and (cardiac or heart)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/24 16:47
S12 5	195	("607"/\$.ccls.) and transduction	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/24 16:46
S12 6	71	S125 and gene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:58
S12 7	45	S126 and (cardiac or heart)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/24 16:57
S12 8	9658	(transgenic or "stem cell" or vector or construct or macromolecule) with ("electromagnetic" or "electric field")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:49



## EAST Search History

S12 9	323	S128 and (cardiac or heart)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/24 16:57
S13 0	111	S129 and gene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 16:58
S13 1	141	S129 and (gene or genes or genetic or "gene therapy" or DNA or RNA or nucleic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 17:16
S13 2	77	S131 and implant\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/24 17:13
S13 3	32	S132 and sensor	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/24 17:13
S13 4	839	S128 and (gene or genes or genetic or "gene therapy" or DNA or RNA or nucleic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 17:16
S13 5	1300	(gene with (ischemia or arrhythmia))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 17:16
S13 6	1	S134 and S135	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 17:16
S13 7	25	S134 and (ischemia or arrhythmia)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 17:21
S13 8	2	("20010000802").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/24 17:21

## EAST Search History

S13 9	32	("3523807"   "4146029"   "4476868"   "4540573"   "4548736"   "4556063"   "4733665"   "4753635"   "4800882"   "4821723"   "4886062"   "4911717"   "4944659"   "5102417"   "5144949"   "5158078"   "5192297"   "5199428"   "5207218"   "5312453"   "5314430"   "5330507"   "5342348"   "5354316"   "5372600"   "5409009"   "5411551"   "5419760"   "5429634"   "5510077"   "6206914").PN. OR ("6824561"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/24 17:49
S14 0	16	((("5,158,078") or ("5,312,453") or ("5, 144,949") or ("5,545,186") or ("5,354, 316") or ("5,314,430") or ("5,131, 388") or ("4,821,723"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/24 17:54
S14 3	0	S140 and CRT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/24 17:54
S14 4	4826	(gene or genetic) and (vector with "open reading frame")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/19 19:33
S14 5	2	("6824561").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/19 19:27
S14 6	33	("3523807"   "4146029"   "4476868"   "4540573"   "4548736"   "4556063"   "4733665"   "4753635"   "4800882"   "4821723"   "4886062"   "4911717"   "4944659"   "5102417"   "5144949"   "5158078"   "5192297"   "5199428"   "5207218"   "5312453"   "5314430"   "5330507"   "5342348"   "5354316"   "5372600"   "5409009"   "5411551"   "5419760"   "5429634"   "5510077"   "6206914").PN. OR ("6824561"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/19 19:31
S14 7	2	("5674722").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/09/19 19:31

## EAST Search History

S149	3283	(gene or genetic) and ((vector with "open reading frame") same expression)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/19 19:33
S150	5	("607"/\$.cls.) and S149	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:53
S151	59	"Serca2A"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:48
S152	14	"Serca2A" same vector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:52
S153	506	adrenergic same vector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:52
S154	245	adrenergic with vector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:54
S155	159	S154 and (cardiac or heart)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:52
S156	1	("607"/\$.cls.) and S155	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:53
S157	2943	adrenergic with (cardiac or heart)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:57
S158	40	S155 and S157	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:55

## EAST Search History

S15 9	40	S155 and ("in vivo" or "in-vivo" or "invivo")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 10:01
S16 0	34	S155 and "cassette"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:56
S16 1	15	S159 and S160	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:56
S16 2	86	S157 and "expression cassette"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:57
S16 3	86	S157 and "expression cassette" and vector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 09:58
S16 4	62	S163 and ("in vivo" or "in-vivo" or "invivo")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 10:10
S16 5	70	("20020110910" "20020147329" "20030060854" "20030105493" "20030144702" "20030144703" "20030148351" "20030216476" "20040158290" "20050137631" "20050192637" "20050288721" "5025786" "5103821" "5130141" "5486359" "5543318" "5580779" "5610172" "5855610" "5865787" "5873904" "6005009" "6083930" "6090622" "6096070" "6199554" "6245566" "6436672" "6468985" "6596745" "6610716" "6660737" "6666826" "7039462").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 10:09
S16 6	6	S165 and ("in vivo" or "in-vivo" or "invivo")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 10:55

## EAST Search History

S16 7	1	S165 and S153	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 10:13
S16 8	3	S165 and (vector same cassette)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 10:15
S16 9	4	S165 and "expression cassette"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/20 10:55
S18 0	56442	electroporat\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 16:20
S18 1	17523	S180 and implant\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 16:21
S18 2	4689	S180 and implant\$4 and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 16:18
S18 3	54522	S180 and gene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 16:20
S18 4	17008	S183 and implant\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 16:19
S18 5	6171	electroporat\$ and ischemia	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 16:21
S18 6	5303	electroporat\$ and ischemic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 16:20

## EAST Search History

S18 7	3576	S186 and implant\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 16:20
S18 8	3512	S187 and gene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 16:20
S18 9	6373	electroporat\$ and ischemi\$ and sens\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 16:21
S19 0	1792	S189 and (implant\$4 with (device or system))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 16:53
S19 1	284	("607"/\$.ccls.) and electroporat\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 17:03
S19 2	2	("5,498,238").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/21 17:06
S19 3	2	("5,944,710").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/21 17:36
S19 4	92	("20020035346" "20020161410" "200 20170553" "20030036773" "20030138 415" "20030153952" "20030167081" " 20030187396" "20030187490" "20040 208845" "20040215253" "2005001387 0" "20060134071" "20060134079" "20 060136027" "20060136028" "4677989 " "4938231" "5031621" "5109842" "5 347241" "5354264" "5423883" "55586 32" "5741319" "5849033" "6048722" " "6066094" "6112116" "6114164" "611 7296" "6152955" "6184030" "6185461 " "6330481" "6385491" "6388043" "6 463335" "6507756" "6571125" "65745 07" "6748653" "6965798" "6969382" " "6973346" "6976982").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/21 17:37